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THE
AVION

The award-winning newspaper
of college aviation

Embry-Riddle Aeronautical University, Daytona Beach, Florida

July 11, 1984
Volume 47, Issue 4



Air Force One taxis up to the terminal ramp at Daytona Beach Regional Airport. The airplane was here to deliver

President Ronald Reagan to the July 4th activities at the Firecracker 400.

Reagan, students attend 'Cracker'

By Brian F. Finnegan

The Firecracker 400 took on a special significance this year as President Ronald Reagan visited Daytona Beach to attend the race. Speaking by telephone from aboard Air Force One, a specially modified Boeing 707-320, Reagan started the race with the traditional, "Gentlemen, start your engines!" About half way through the race his jet arrived at the Daytona Beach airport and his motorcade swept him and other dignitaries to the speedway to view the final laps.

This was no ordinary day for Embry-Riddle, since, fourteen students were selected to drive limousines in the presidential motorcade. Student Government Association President, Tom Conrad, was selected to be motorcade coordinator.

Conrad was contacted by White House Lead Staff Advance man, James Hooley and U.S. Secret Service agent, Chris Algeri at the suggestion of University Vice-President and Director of Development, Jack Fidel and Dean of Student Affairs, Robert Rockett. He was requested to secure twelve students to chauffeur Congressional dignitaries, members of the White House Press Corps and network correspondents and camera technicians. The Secret Service stipulated that the drivers be male and U.S. citizens.

The students selected to participate in historic presidential visit were, for the most part, members of the Student Administrative Council, the Student Court, the Senior Class Committee and the Avion.

The students, who volunteered their time to participate in the presidential motorcade were, in addition to Conrad, Marcus Zechini, Ed Zanner, Matt

Maranto, Arlen Bowen, Alan Williams, Chuck Heehler, Brian Finnegan, Pete Shaw, Rich Parella, Lou Kady, Mike Gelerka and John Restaino. The cars driven by these students were supplied by Bill Lloyd Buick-Cadillac.

The chauffeurs' day began early on July 4: In a White House briefing held at the Indigo Lakes hotel on July 3, the students were told that they would need to be present from 8 a.m. until 6 p.m. on race day.

Dressed in the required coat and tie, each driver had his vehicle subjected to intense scrutiny by Secret Service agents who searched the car and by German Shepherd police dogs with snouts trained to detect the presence of bombs.

Throughout the day, the motorcade made five trips between the airport, the Indigo Lakes hotel and the speedway. Because of the ever-present possibility of an unexpected departure, each driver was required to remain with his vehicle throughout the day. This, of course, precluded their attendance at the race or at the victory picnic held in the infield after the race. The drivers noted that although the President was fleeing at best.

After the departure of the President and Air Force One, a traditional "Wheels Up" party was held for the White House staff and the Secret Service agents who prepared the Daytona visit and the motorcade drivers in the Press Box at the Speedway. Secret Service agent Chris Algeri noted at the Speedway after repositioning the limousines, that "this is the fastest turnaround ever. I'm not kidding. You guys are doing a great job!"

Presidential search

E-RAU ready to select president

By Brian F. Finnegan

The courtship of three Embry-Riddle Aeronautical University presidential candidates ended last week after an exhaustive, six month search. After touring the campus individually during the previous two weeks, the candidates chosen by the Nominating Committee, Mr. John D. Odgaard, Dr. William A. Orth and Dr. Lyle C. Wilcox, have returned to their respective campuses.

The Nominating Committee planned to meet this past Monday, July 9, with the candidates, but Dr. Wilcox unexpectedly

withdrew his application and Mr. Odgaard could not be available. Consequently, both the Monday meeting and the July 14 Committee meeting to choose Embry-Riddle's next president has been postponed.

The Nominating Committee will schedule another meeting with the two remaining candidates in the near future, said Dr. John P. Eberle, an Embry-Riddle management professor and Chairman of the Presidential Advisory Search Committee (PSAC), the advisory arm of the Nominating Committee.

The selection process has been

a tedious, nationwide hunt, and of the 140 nominations, 70 formal applications were received.

All the applicants were measured against a set of twelve criteria which included: demonstrated leadership success; ability to relate effectively to university constituents; ability, potential and success in acquiring outside funding; academic credentials, including their teaching success, research accomplishments and publication record and a successful background in a technical, management environment. Other

criteria considered included their aviation background, national prominence and the honors which they may have received.

The Nominating Committee has worked steadily over the past several months to evaluate each candidate's credentials and reduce the field of E-RAU presidential candidates to more manageable numbers.

At a special Board of Trustees meeting held in Atlanta on June 16, the three finalists were chosen from eight semi-finalists. All

See PRESIDENT page 8

Alumni reception draws southeast together

By Louis M. Kady

ATLANTA, GA.—Establishing a stronger relationship between Embry-Riddle, its alumni and the aviation industry was the theme of an E-RAU Alumni reception held here on June 16.

About 115 guests, including 57 E-RAU alumni, attended the dinner and listened to three speakers present speeches that focused mainly on the establishment of an alumni network with a respective

local chapter in Atlanta.

"A university cannot continue to grow and prosper and even survive without a strong alumni organization," insisted Randy Alexander, an E-RAU alumnus and keynote speaker for the reception. "Embry-Riddle is no exception."

Alexander graduated from E-RAU in 1982 and is recognized

See ALUMNI page 4

Discovery sits on launch pad still

By Brian F. Finnegan

Space shuttle *Discovery* remains perched atop its launch pad waiting for the third attempt at its maiden voyage into orbit. Kennedy Space Center officials were scheduled to meet at NASA headquarters in Washington Monday to decide on a new launch date, but the meeting was postponed until today.

The possibilities to be discussed at today's meeting include whether to set a launch date for

later this month, or to combine some of *Discovery's* mission 41-D payloads with those scheduled to be launched on *Discovery's* mission 41-F, now set for August 29.

If the decision is made to wait until the end of August to launch, the orbiter will have to be moved back into the Vehicle Assembly Building for integration with the other payloads. The Roll-In

See DISCOVERY page 8



Wishful thinking...

SGA President, Tom Conrad pauses momentarily besides the spare limousine used in the July 4 Presidential motorcade.

Avion photo by Brian Finnegan

A bit of history lands at Daytona

By Brian Nicklas
Avion Staff Historian

"As Air Force One settled down onto the runway at Daytona Beach Regional Airport July 4, some may have thought, 'Just what type of aircraft is Air Force One?'"

Air Force One is designated a VC-137C by the U.S. Air Force and is a specially built Boeing 707-320B. There are currently 5 137's in Air Force inventory, 2 C models and 3 B models (the B models are 707-120's, and are smaller in span and length than the 137Cs.) These 5 aircraft are

operated and maintained by the 57 MAW (Military Airlift Wing) at Andrews AFB, Md. The 57 MAW handles all VIP flights using Air Force aircraft and has a large fleet of various types of aircraft at their disposal besides the VC-137's (VC-9's, C-140 Jetstars, C-135's, T-39, etc.)

Air Force One, although a stock 707, was purposely built as the presidential aircraft with every point of its assembly being carefully checked. The interior is divided into three compartments:

See AIR FORCE ONE page 7

Spaceweek '84

The fifteenth anniversary of man's landing on the moon will be commemorated nationwide during Spaceweek '84. This year's celebration will begin on Monday, July 16 and end on Tuesday, July 24. Activities in Daytona Beach have been coordinated by Nancy Ehrhardt of the Spaceweek Coordinating Committee and the Embry-Riddle Chapters of the L-5 Society. L-5 is

a national pro-space organization dedicated to the peaceful industrialization of space.

In Florida, a state-level Spaceweek Coordinating Committee has been planning activities with the help of regional pro-space organizations. Their ultimate objective is to put together a permanent network of

See SPACEWEEK page 6

Editorial

Thumbs up for Mr. Odegard

It is good to see our leadership dilemma finding some resolve. The selection of a new university president in the wake of Jack Hunt's death in January is nearing completion.

The candidates, now narrowed to two, have both the background and the qualifications for Embury-Riddle's top post. However, as many may know, the written word does not make the man. Personality, poise and charisma are all qualities that must be observed. Of the two finalists, John D. Odegard stands out as the man who can best deliver Embury-Riddle into the future.

Odegard represents the kind of person we are training here at Embury-Riddle. He has come up through the civilian ranks as a pilot and is familiar with the associated problems. He has his Airline Transport Rating and is type-rated in commercial business jets. His close association with the students at the University of North Dakota over the past ten years also strengthens his familiarity with the kinds of problems he is likely to encounter here.

A conversation with the president of UND's Student Government Association revealed that Odegard is well liked by student population. He is responsible for generating the funds for and building a 58,000 sq. ft. Aerospace Sciences building on the UND campus. This accomplishment alone puts Odegard far above the other candidates.

But, the list does not stop there. Under Odegard's supervision, UND has developed a helicopter training program, designed for Army ROTC cadets, that is funded entirely by the U.S. Department of Defense. The rationale is that it costs \$62,000 to train a civilian helicopter pilot and \$140,000 to train a pilot in the military. The math is simple. The government is saving big money and the students are receiving a tremendous windfall.

All this is not to demean the other candidate, Dr. Orth. To make it into the finals in any competition is noteworthy. Nonetheless, Dr. Orth's credentials do not stack up to the formidable accomplishments Mr. Odegard has amassed.

Undoubtedly, both men will do well wherever they are. We just hope Mr. Odegard does it here.

President's Corner

I would like to welcome two new members to the Student Administrative Council (SAC) as Dorm Representatives. They are Sharon Byrd and Chandravandana Kuntawala; they can be contacted through the SGA office for on- and off-campus housing questions and needs.

To further update you on the progress of the Nautilus weight room, SGA has ordered the equipment and anticipates its arrival around mid-August. The weight room committee will be working on the price, refunds, hours and marketing. We will update you more as it progresses.

Two weeks ago, I attended the executive meeting in Atlanta to review the eight remaining candidates for the president of E-RAU. They have been narrowed down to three, and have just recently completed touring the Daytona Beach Campus. I will inform you as the process nears completion.

I would also like to mention that 13 Embury Riddle students drove in the Presidential Motorcade July 4, 1984 at the Firecracker 400: Tom Conard, Marcus Zechini, Ed Zanner, Allen Bowen, Alan Williams, Chuck Heehler, Brian Finnegan, Pete Shaw, Rich Parella, Lou Kady, Michael Geletera and John Resano.

I was called this past Saturday from Dean Rockett to acquire the drivers. The names then had to go through a security clearance by the Secret Service. It was a great experience providing service to our Community and Nation as well. My compliments to those who participated; it was a long day and required much dedication.

The SGA held another successful orientation luncheon. Attendance was around 240 to eat Sonny's BBQ and mingle with new students, faculty and staff. Dr. Ledewitz, Interim President and Gen. Spruance, Chairman of the Board of Trustees attended. We offered many prizes, 3 hats from Joe Dowdell (E-RAU Bookstore), 3 boat cruises from Kathy Novak and finally a ticket to the Firecracker 400. Special thanks go to Steve Hallock for setting up the event. Our new copier arrived, and once again thanks go to Ed Zanner and Larry diRusso for all their time involved. Please come by to test it out; copies still cost only \$5.

Thomas M. Conard III
SGA President

the avion

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The opinions expressed in this newspaper are not necessarily those of the University or all the members of the Student Body. Letters appearing in THE AVION do not necessarily reflect the opinions of this newspaper or its staff. Copy submitted may be edited for brevity and will be printed provided it is not lewd, obscene, or libelous. All letters must be accompanied by the signature of the writer. Names may be withheld on request at the discretion of the Editor.

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letters

Long lines

To the Editor:

This letter has two parts. The first part is an award that I feel the Avion should present once a month (or more often if necessary). The name of this award: "The Acrylic Bellybutton". The requirements are as follows: 1) must be a faculty, staff or a department of E-RAU. 2) the person(s) made or is making a move which actually puts them a step backwards instead of forward. Nominations for the award could be turned into the Avion by any person here at E-RAU. The Avion or the SGA could vote and decide who the winner would be. In this line of nominations, I would like to make the first one.

I would like to nominate the Student Employment Office to be the first recipient of this award. Here are my reasons. A year or so ago the administration allowed the students to pick up their checks from their place of work. This helped make the lines at the cashiers office a lot shorter and allowed the student to better utilize the time that was taken by standing in those long payday lines. Well here comes the lines again, and not just one. The Student Employment Office is now located in an office outside the front of the U.C. They are going to distribute ALL student employee checks. The student will have to wait in that line then wait in another line to pick up their cash. There are very few things one can do while waiting time standing in these lines. Some of us have a hard enough time just finding time to get our checks cashed during the day. Now you force us to stand in twice as many lines.

The University is here to educate the students to be better prepared for jobs later. Is part of that education for the job to create more Riddle-run-around? If the Student Employment Office must distribute the payroll, why not just pay us in cash? This would be just the same as picking them

up from the cashiers office. At least at the cashiers, one could do other transactions. The university is here to serve the students not to please the faculty or staff.

David D. Baumgartner
Box 3437

Free help

To the Editor:

I would like to write this letter with hopes that anyone with a landlord/tenant problem first contact the E-RAU Housing Office or a lawyer before becoming a victim of some ruthless landlord.

Before I get into it, I URGE anyone who is considering renting a home to department to visit the Housing Office. There is an abundance of information available to aid you in establishing a legally binding agreement. This information may save you some day - it saved me.

In my case, the landlord withheld our total security deposit. When claiming damages, an additional sum of money, above the deposit, was requested for damages.

This landlord wanted money for such things as cleaning the oven, replacing windows and painting and plastering. These did not seem unreasonable, but a survey of the premises prior to moving in, recorded on a checklist available from the Housing Office, indicated that several items were already damaged.

In this case, our landlord was negligent in fulfilling legal responsibilities that resulted in a ruling for us as the plaintiffs with an additional award of interest and court costs. As the judge said, "We are a nation of laws, not a nation of men."

If you have a landlord/tenant problem, contact someone before it's too late. The Housing Office is there to help - use the information to your advantage!

Oh yes; if you have to go to court, call a lawyer. Consultations are free and openly discuss

your situation. If he appears confident, take the next step and talk fees. There are two ways of paying - either a flat fee or having the court rule in favor of the loser paying the fees.

Remember too, that you have certain obligations that must be met. But go to court only when you feel it is right.

Tony Pinto
Box 7276

A thank-you prayer

Dear God,

Thank You for moving upon the heart of a judge in Houston, Texas on June 20th and giving him the courage to rule that Continental Airlines had the right to abrogate its contracts with the Airline Pilots Association. I thank You for Your grace that in spite of ALPA members jamming ATC frequencies and shouting obscenities at non-striking pilots on ATC frequencies, endangering thousands of innocent lives, and in the darkest moment in Aviation history, so-called "professional" pilots being arrested with PIPE BOMBS at the homes of non-striking pilots, that no one was killed or injured.

I thank You for the courage of Francisco Lorenzo and all the courageous aircrews who refused to strike in the face of intimidation by ALPA terrorists, and that the non-striking employees had faith in You, personal convictions, and loyalty to their employer. May we remember that no one owes us our jobs, and if we don't like the conditions of our employment, may we have the courage to get up and leave.

May the tarnished reputation of real Aviation's professionals that has suffered because of these ALPA criminals and gangsters be negated with the general and flying public through our demonstrated professionalism. With the effective decertification of ALPA at Continental, we

thank You for the return of good faith labor-management relations.

Finally, we thank You for the thousands of new jobs this decision will create for Embury-Riddle graduates and that the stranglehold of union extortionists on American business has ended. May the benefits of this decision spread to other Aviation companies and industry in general to make the United States competitive again in world markets.

We thank You that Right has prevailed, and that the criminals have received their just reward. For free enterprise, for labor and for management,

Alten-So Let It Be.

Andy E. Muck
Box 2035

Loving support

To our E-RAU Family:

On May 3, 1984, tragedy struck our family with the death of one of our twin sons who was 35 months old. Immediately our E-RAU family began to help us in many ways, from many phone calls of support to cleaning house for our arrival from Pittsburgh. No one could have received as much love and concern as we did. We want each of you to know that it was very much appreciated and that it is something that we will never forget.

In the coming months we will be going through a great adjustment; and we will need your continued support. Thank you all. Love, Nancy, Dale and David Trillow



Klyde Morris



wes oleszewski



Klyde Morris



wes oleszewski



Doc's advice on fitness, aspirin, sex



How much is too much? Two megagrams in six years - just three regular tablets a day - can seriously impair the kidney's cleansing function.

FITNESS TEST: Run for five minutes, using a stopwatch. Score: 600 yards or less, very poor...681-900 yards, poor...901-1,125 yards, fair...1,126-1,350 yards, good...more than 1,350 yards, excellent.

RUSTPROOF TRAP: Dealer-applied rustproofing should be done as soon as you buy the car. But be careful. Read the fine print. Most "guarantees" give you only the cost of rustproofing in case of rust. Make sure the guarantee states that the dealer will repair or replace rusted body panels.

FIVE "I'S" FOR GOOD SEX: Trust, touch, time, tease and talk. Key ingredient: the "I's". It's not in bed and about sex. Ritual silence during lovemaking can only impede change, variety and maximum enjoyment.

SICK CALL: Showing sadness on a hospital visit is perfectly acceptable, even positive. Reason: It helps validate the patient's own feelings and reflects sincere sympathy. It doesn't pay to stigmatize cheer someone up. A person who's sick and away from home is entitled to feel unhappy. Recommended: let the patient set the emotional tone for the visit.

ASPIRIN OVERUSE: Can lead to kidney damage, a recent study found. About 20 percent of patients on kidney dialysis may be there because of too much aspirin or some other analgesic.

your money back...You can save money with a do-it-yourself rustproofing kit. You'll probably do a more conscientious job than a mechanic anyway, and the materials are equal in quality.

TO TELL OR NOT TO TELL: Sellers of property are required to disclose hidden defects to the buyer. In one case, sellers concealed the existence of extensive termite damage to a house, even though they knew the buyer was trying to get a loan from the Farmers Home Administration, which absolutely will not finance a house unless it's termite-free. The buyer sued and recovered all actual damages. In addition, he received \$150,000 in punitive damages for fraud and conspiracy to defraud.

A RESTRAINING ORDER: Banned a woman's ex-husband from bothering her or the children. The state Abuse Protection Act required the police to arrest the husband if it was shown to be probable that he had violated the order. The husband broke into the house once, attempted three other break-ins, damaged the property and assaulted a friend of the wife. Nevertheless, he was not arrested. A court held that the woman could sue the police officers who had failed to arrest him in violation of their statutory duty. Further, she could recover

for emotional distress, even though she hadn't been physically hurt, as the officers' conduct had infringed on an independent legal right - her right to enforcement of the court order.

WHO'S RESPONSIBLE? A motorcyclist sued for injuries suffered in an accident. The judge allowed evidence showing that the cyclist was not wearing a helmet and that this contributed to the severity of his injuries. Judge to jury: The award of damages should be reduced accordingly. He added that the same considerations would apply to the wearing of seat belts in an auto accident. Note: Courts are split on this issue. In many states, evidence about the wearing of seat belts, helmets, etc., is not admissible and may not be considered.

EASIER MONEY: You soon won't have to wait so long to draw on a check deposited at your bank. Government regulators are pressuring the banks to make their float time policies shorter and more public. Congress is prepared to push if necessary. And some banks are taking the initiative on their own.

AIR FARES: There's plenty of selective price cutting by some of the industry giants as well as by Continental and Braniff.

CAR RENTALS: Benefit from some great bargains. Rates are as

low as \$40/week in Florida and many Far Western cities. But make reservations well in advance, for only a limited number of vehicles are available at these low rates.

READING YOUR FEET: An oversized big toe means you have a tremendous zest for life, according to Shiatsu, the Japanese theory that the feet are the energy centers of the body. Big toes smaller than other toes: meek, passive. Gradually tapered toes: easygoing, open-minded. Sharply tapered toes: narrow-minded. Soft and supple sole: a blithe spirit, resilient. Hard, tough sole: irash, stubborn. Disproportionately big feet: high intelligence.

STRESS AND EMOTIONAL tension take the life out of your hair. Reason: tension restricts blood vessels in the scalp, reducing its supply of oxygen and nutrients. For good-looking hair, eat well, get plenty of exercise, shampoo daily, and relax.

IN PRAISE OF TEA: Tea mimics the antidepressant drugs. Its caffeine helps the brain synthesize chemical stimulants. Then its polyphenols help to keep those chemicals around longer. Unlike coffee, tea doesn't raise blood cholesterol absorption. Rich in fluoride, tea inhibits growth of decay-causing bacteria in dental plaque. It's a good source of

zinc, manganese and potassium, and its tannins help preserve vitamin C in the body. Hot tea fights colds by doubling mucus flow, which helps to wash out germs.

NIGHT LIGHT: Standard flashlights can be upgraded with halogen or krypton bulbs, and they last as much as four times longer. For outdoor use: Lithium cell batteries are best. Although expensive (about \$24 for a D cell), they're lighter and put out far more energy than other batteries, especially in cold weather. As-AP, lithium cells function at 96 percent of capability, compared with only 13 percent for alkaline cells.

COLLEGE-AID FORMULAS for determining how much the family is expected to pay can be typed in your favor by juggling your assets: A student without family responsibilities is expected to contribute up to 35 percent of his savings, for example, while a parent is assessed only 5 percent. Shifting your child's money to your account could be advantageous. Also, business assets are valued lower in the formula than personal assets. If a vacation home can be listed as a rental property rather than as a second home, it will increase your child's eligibility for financial assistance.

Financial Aid Scholarship opportunities available

Here we are again with another article designed to keep you informed of updates and changes in the financial community.

New Scholarships

The Retired Officers Association
If you are a legal resident of Brevard County, Florida and are a junior at Embury-Riddle, you may come by the Financial Aid Office and pick up an application for this scholarship.

Awards are made based on citizenship, merit, moral character, aptitude, attitude, scholarship, leadership, and extracurricular activities. The award will be in the amount of \$2,000, payable in increments of \$1,000 each academic year (junior-senior).

Continuing Scholarships

Mayor's Scholarship Program (MSP)

This program is designed to help those students of New York who are in a designated Neighborhood Strategy area of New York City. Guidelines are as follows:

1. Student must be eligible for PELL GRANTS for the 1984-85

academic year and must be assigned a "0" Pell index number.

2. Permanent resident in one of the designated Neighborhood Strategy Areas of New York City (Bronx, Brooklyn, Manhattan, Queens, Staten Island).

3. Student must be a full-time matriculated undergraduate.

4. If student is a continuing student, he/she must have completed 18 credit hours for the previous academic year (1983-84).

If you feel you might qualify based on the above criteria, come by the Financial Aid Office and pick up an application. The range of MSP awards will be from \$100 to \$650. Deadline date for receipt by MSP of a complete and correct application is October 1, 1984.

Other Concessions

Florida Tuition Voucher

FTV awards have been raised from \$750 to \$835 for the 1984-85 academic year. Awards will be \$418 for the Fall and \$417 for the Spring trimester. Criteria remains the same. Student must be a resident of Florida for 24 consecutive months and have no other aid

from another state within this 24-month period. If you qualify, and have not already done so, please pick up an application in the Financial Aid Office, complete it and return to the office as soon as possible.

Florida Student Assistance Grant

Receipts of Fla. Grant for the 1984-85 academic year will begin to be notified by the state within the next 3-4 weeks. Students will be notified directly from the state before our office is notified. Students will be required to sign and return their award notices to the state in order to receive the grant.

Guaranteed Student Loans

Deadline date for receipt of Spring 85 - Summer 85 loans will be October 1. Please have your application in our office by that date so we have ample time to process it and mail to your lender. Also, this will enable the state to approve your loan and have the funds disbursed to the school by the beginning of Spring classes, thus eliminating unnecessary extensions.

Clyde Morris intersection remains a hazard

By Craig A. Pellissier

Recently there has been growing concern among students regarding traffic safety at the E-RAU entrance at Clyde Morris Blvd. The primary problem has been long delays and congested traffic resulting from the lack of adequate street signals and the need of a left hand turning lane. A recent accident has made it more apparent that the need for better traffic staging is imperative.

According to a recent letter

from the Florida Department of Transportation to the Volusia County Traffic Engineers Department, the State recognizes the need for improvement. An excerpt from the letter stated that "There is a need to construct a left turn lane at the intersection and to modify the signal operation to provide a northbound protected left turn phase."

The State is unable to appropriate funds for the project at this time. However, the State plans on keeping the project in

abeyance until additional funds are available. Although the State is currently involved in a project to improve the intersection of Clyde Morris and Bellvue Ave., they are not able to extend the construction plans to involve the E-RAU intersection due to the fact that all the funds for this fiscal year have been allocated.

Additional information may be obtained by writing to the Florida Department of Transportation, P.O. Box 47, Deland, Florida, 32721-0047.



SUN DIAL

The following are official Sunrise and Sunset times for Daytona Beach, Florida.
Times prepared by the Nautical Almanac Office, United States Naval Observatory in Washington, D.C.

DATE	SUNRISE	SUNSET
July 11	0633	2026
July 12	0633	2026
July 13	0634	2026
July 14	0634	2025
July 15	0635	2025
July 16	0635	2025
July 17	0636	2024
July 18	0636	2024
July 19	0637	2024
July 20	0638	2023
June 21	0638	2023
July 22	0639	2022
July 23	0639	2022
July 24	0640	2021

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Common Purpose Room U.C.

Alumni leaders call for a strong association

for his participation and accomplishments in working for a strong alumni association. The other two speakers were Jack Fidel, University vice-President and Director of Development, and Phil Metz, Director of Alumni Affairs and E-RAU alumnus.

The major point of Alexander's opening statements was the outline of a "five-year plan" for a proposed alumni system. Two major highlights included the establishment of at least 12 strong alumni chapters throughout the United States and a computer system for an alumni data bank. "And at least I won't be happy until I see it - the ground-breaking of an alumni center to be built and located at the Daytona Beach campus where we owe so much," added Alexander.

"We will raise the funds and will own and operate it (the center) for the good of alumni and future alumni alike," stated Alexander. "This plan is ambitious and it can be achieved; I personally dedicate myself at this very moment to accomplish these tasks."

According to Alexander, alumni leadership in the past was provided by a seven-member Board of Directors who along with one E-RAU employee acted for the good of the alumni at large.

"A handful of people could not provide the thousands of alumni effectively and efficiently with the benefits and services they need and deserve," argued Alexander. "In order to do that, there is a need to create a comradery among ourselves and we must pull together and set out a new direction; we must be oriented towards self-help."

Speaking on the proposed Alumni Network, Alexander said "We will establish chapters on a local and regional scale, like we are doing now in Atlanta. Chapters like this can be founded and established around key cities and corporations where there is a

high concentration of E-RAU graduates."

The E-RAU alumnus talked briefly about two other network chapters that have already been established: that in Long Beach, California and that in Seattle, Washington. Relating this to the Atlanta reception, "I am delighted to say that we have the best response thus far."

Alexander continued to say that he wants to start working on a constitution for the Atlanta chapter right away. He also cited

alumni involved in non-aviation related fields looking for aviation jobs.

In regards to an alumni computer system, "We can station such a system in the alumni relations office and interface it with a toll-free telephone number nationwide," said Alexander who continued the system will benefit alumni inquiring about job opportunities as well as corporations wishing to list job openings.

"I am elated to announce that

never really in the past established relations with aviation corporately with which we have so much in common; we are doing that now," said Fidel.

According to the former Daytona Beach campus provost, the University wants to "make them (the corporations) aware of what E-RAU is - not just what they can do for Embury-Riddle, but what we can do for them."

Emphasizing public relations, Fidel mentioned that the University is striving to receive so much publicity each year from major aviation magazines.

Phil Metz concluded the reception speaking about a plan that "will effectively utilize alumni to help themselves and the University."

"Anything that we can do to enhance the reputation of the University will in turn enhance our reputation," stated Metz.

Continuing his discussion, Metz urged the alumni members to participate and take an interest in the alumni affairs cause as well as fellow alumni. "You are the ones who can help yourselves most of all," insisted Metz.

"The information age is where things are at; without informa-

tion, our graduates aren't going to make it. You (alumni members) are the ones who can refer the information, whether it be about jobs, market trends, what E-RAU is doing right and doing wrong - we need all this information," requested Metz.

He continued, "If every alumnus that I have a record of runs across at least one job opening per year, that would be over 10,000 jobs a year referred to the University; there's no way we can fill all of those!"

In establishing network chapters, Metz said that the Atlanta area is of great interest to him being that it is the "hub for the south."

"It is evident by the amount of people here tonight, that there is a need for a chapter here," said Metz who also admitted that "It's going to take awhile to establish this alumni network; but if we don't start now, it's never going to happen."

It has been approximated that there are over 85,000 E-RAU alumni with graduate dates that date anywhere from the present to the institution's "pre-Miami days." According to Metz, two

everyday by his office.

Metz continued that because this reception was advertised through a Lockheed corporation newsletter, "We probably tracked down 10 to 15 alumni that work for Lockheed that I had no former knowledge of."

Speaking of the Alumni newsletter, the Eagle's Nest, Metz made known that the next issue will contain alumni information, broken down by decades. He mentioned that the next issue also feature the initial article in a four to five series of articles focusing on the construction of a new Learning Resources Center at Daytona Beach.

The reception was concluded with a 12-minute slide show presentation about E-RAU. Although the presentation was primarily oriented towards high school students for recruitment purposes, it was shown to the alumni members to inform them of some of the programs now offered at E-RAU.

In addition to the alumni members, present at the reception were Dr. Jeffrey Ledewitz, Interim President, as well as various members of the Board of Trustees who attended the Presidential selection meeting in Atlanta earlier that day.



"A university cannot continue to grow and prosper and even survive without a strong alumni association."

-Randy Alexander

a need to have national conventions once a year to bring alumni throughout the U.S. and abroad together.

"Currently we (the alumni) have a full-voting member on the Board of Trustees to provide a resource for alumni interest," told Alexander; he was referring to Rick Harrington, who graduated from E-RAU in 1976. Alexander said he is confident that the Alumni Network will have more alumni representatives who can vote on the Board of Trustees.

Alexander discussed the direct benefits of an alumni organization such as alumni helping alumni in employment opportunities and career changes. He has received many phone calls from

such a system has been budgeted for by the University and will be purchased by the end of the year," told Alexander.

"It is our responsibility to insure that our alma mater continues to grow, prosper and keep its front-running influence and reputation within the industry," said Alexander to the alumni. "To do this, we need to provide feedback to the University on what the administration is doing right as well as what they need to improve on."

Fidel then came on out to speak of two additional areas that he feels require emphasis in the alumni affairs cause: corporate relations and public relations.

"We (the University) have

To many of the alumni present, the reception was like a class reunion...



...some looked for pictures of themselves in old yearbooks...



...while others greeted old and new friends.



Provo's Pub and Restaurant

(Formerly Rajun Cajun)

All - U - Can Eat Fried Flounder

Includes: Clam Chowder, Salad Bar & Fries

Mon-Thurs 4-9 ONLY \$4.95

Mon & Wed
\$1.00 Heinekens
15¢ Oysters
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Breakfast till 1 p.m.

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1 FREE DRAFT BEER

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WITH THIS COUPON
one coupon per person per visit
Offer Expires 7/30/84

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DAYTONA BEACH AVIATION



HELICOPTER DIVISION

Here are the details you have been waiting for on the next CERTIFIED Bell Helicopter maintenance school!!

Bell 206 Component overhaul Course

Dates: Aug 20 - Aug 31

Place: Daytona Beach Aviation

Cost : \$1000.00

PH.255-0471

Capri's top two at Daytona

by Brian Nicklas
Avion Staff Writer

After a nonstop first heat, the Paul Revere 250 ended July 3 with a flurry of action in the second and final heat. Top honors for the event, which is a new item on the Trans-Am circuit, went to Willy T. Ribbs of San Jose, CA in the Roush/Motorcraft Capri.

Practice for the race had been marred by rain, which not only befouled track conditions, but which made the infield pit area unbearable. The garage area at Daytona International Speedway was occupied by the NASCAR teams preparing for the July 4 Firecracker 400, so the Trans-Am teams worked in the covered pit area of the infield paddock, as well as on the grassward adjacent to pit row. By race day, Tuesday, some teams were working in ankle-deep water!

The rain cleared by the 8:00 p.m. race time, however, and after several laps behind the packer to check track conditions, the 23-car field was off and running. The pole sitter, Tom Gloy, in the 7-11 Capri held the lead position for awhile then started shuffling the lead with the Capris of Team Roush Prototab/Motorcraft. Ribbs, in Capri 64 had slight trouble at the start, but both he and his car soon smoothed out, outgulfed the Corvettes, TransAms and other Capris and won the heat.

The pit area came alive during



Team Roush Prototab/Motorcraft mechanic fine tunes Willy Ribbs Capri during the break in last week's Paul Revere 250 at Daytona International Speedway.

the interlude between heats as the various teams teased what they hoped would be better performance from their machines. The two areas where work was most intense were those of Team Budweiser with their Corvettes, and Team Roush/Motorcraft. One of the Bud drivers, David Hobbs, was a pre-race favorite, many counting on his endurance and nighttime experience to give him a heavy advantage. Around the Capris, organized chaos reigned as they strived to keep their cars in the lead.

The second heat went quickly,

with cars continually trading places all throughout the field. An early dropout was Greg Pickett; Ribbs' teammate on the Motorcraft Capri team, who stopped after losing his brakes at an infield turn.

Although the fast lap of the heat was turned by Dave Hobbs, the lead was fought for by Ribbs, Gloy, Darin Brassfield in a Bud 'Veic and Bob Lobenberg in his STP TransAm. The latter, two were especially strong in this last heat, Brassfield eventually winning it.

Ribbs had some bad luck 5 laps from the end when he hit a back marker, tearing and loosening the body on the left front corner of the car. This mishap slowed Ribbs' pace, dropping him to third place in the heat. Ribbs later reported to his crew that the car after the accident "Really handled like a pig; if we weren't so close to the finish, I might have stopped."

After the points for both heats were totaled, Ribbs was shown as the winner, Gloy second and, after a fine showing, Bob Lobenberg third.

??? Sports Trivia Contest ???

The Avion Sports Trivia contest is sponsored by Keith's "Philadelphia Style" Subs in the Contemporary Plaza. To win the contest, entrants must correctly answer as many of the ten questions as possible. In the event there are no entries with all ten questions correctly answered, the Avion Sports Editor will select from those entries on the best of ten format. Should there be any ties, there will be a drawing to determine a winner. Entries are to be predated or typed on standard size paper. Answer sheets to be numbered 1-10 according to questions appearing in the Avion. Answer sheets will also require name, student number, E-RAU box number, and program. Any deviations from these guidelines will result in a one answer penalty. Deadline for entries will be Friday, July 20, 1984. The winner will receive a coupon good for a sandwich at Keith's "Philadelphia Style" Subs. Answers may be submitted to the Avion by campus mail or can be dropped in the box at the Avion office in the U.C.

1. Who won the 1984 running of the Pepsi Firecracker 400 at Daytona International Speedway?
2. How many teams were in the E-RAU Summer A volleyball league?
3. What was the record of the Daytona Beach Astros at the end of the first half of the 1984 season?
4. How many stations are on the E-RAU J.E.T. trail?
5. What United States Football League franchise used the county fields adjacent to the E-RAU Administration building for spring training in 1983?
6. What field were the Outlaws playing on when they won the Summer A softball tournament?
7. What team did the Oakland A's play in the 1968 American League championship series?
8. The Jacksonville Team of the United Soccer League used to be a franchise in the North American Soccer League. What city did they call home when the Team were in the NASL?
9. Which team won the 1983 Grey cup of the Canadian Football League?
10. Name the height of the diving boards at the Tine W. Davis/Winn Dixie Swimming Pool?

Last issues winner and answers:

Pat McCarthy a C.S.W.A.A. major, was our winner and received a FREE sub sandwich from Keith's "Philadelphia Style" Subs. Pat correctly answered the following: (1) 1.3 miles, (2) six, (3) four, (4) Southern Ice, (5) Sharks, (6) Tuesday and Thursday, (8) 1972, (9) Boston Celtics, (10) Matters.

Wasick sets records

The United States Powerlifting Federation recently informed Howard Wasick, an avionics maintenance technology student, that he had set three records in his weight class. The records were set in a USPF sanctioned meet held in Tampa this past April.

Wasick, 19, benched 425 pounds, squatted 515 lbs., and deadlifted 550 lbs. for a state record 1,490 pound total. Besides

setting the record for total lift by 18 and 19 year olds in the 198 lb. weight class, Wasick set the squat and bench records.

Jean Wasick, Howard's mother, and also secretary for E-RAU Army ROTC, stated that her son was unable to attend the USPF teenage nationals due to an injury. The injury occurred during training for the Chicago meet. Mrs. Wasick related that her son had a torn chest muscle.

FALN's Morales threatening Summer Olympic Games

By Jack Anderson
and Joseph Speer

WASHINGTON - The Soviet boycott of the Olympic Games in Los Angeles may encourage terrorist attacks there, according to intelligence sources. The experts are afraid leftist terrorists will intercept Moscow's criticism of security arrangements as an open invitation to launch an attack. And if this does occur, it would supposedly demonstrate that the Soviets were right to worry about safety.

One terrorist group in particular may be emboldened by the Soviet withdrawal from the games. It is a radical Puerto Rican revolutionary group known by its Spanish initials: FALN.

The FBI regards the FALN as the single greatest terrorist threat to the United States. According to one intelligence document: "The FALN has been responsible for over 150 terrorist bombings in the U.S. since its founding in 1973. (It) has developed an extensive terrorist network stretching across the U.S. and into Mexico."

The FALN's leader, William Morales, is serving an 89-year term in a prison outside Mexico City, but he is not safely out of the way. Our intelligence sources say Morales is about to be transferred to the custody of Mexican authorities in Tijuana as close as anyone can get to Los Angeles and still be in Mexico.

It gets worse. Mexican authorities in the Tijuana area are notoriously left-leaning. They may give Morales free rein to train his leftist terrorists in secret camps in northern Mexico and to plot deadly mischief at the Los Angeles Games - a little more than 100 miles away.

Our associate Jon Lee Anderson recently interviewed Morales in prison and reports that he is a determined revolutionary, a dedicated Marxist fanatic. He is driven by both idealism and hatred - and the main object of his hatred is the United States. The Puerto Rican terrorist told our associate, "I am a member of

a revolutionary movement which is at war with the United States government."

the Avion

FOOTBALL

Tampa Bay Buccaneers

1984 Home Schedule

August 4	Houston
August 11	Cincinnati
August 24	Miami
September 16	Detroit
September 30	Green Bay
October 7	Minnesota
October 21	Chicago
November 11	NY Giants
November 25	LA Rams
December 9	Atlanta
December 16	NY Jets

Miami Dolphins

1984 Home Schedule

August 4	Indianapolis
September 9	New England
September 23	Indianapolis
October 14	Houston
October 28	Buffalo
November 11	Philadelphia
November 26	NY Jets
December 2	LA Raiders
December 17	Dallas

1984 Hall of Fame Game
Saturday, July 28 Canton, Ohio
Tampa Bay Buccaneers
versus
Seattle Seahawks

1984 USFL Championship
Sunday, July 15 Tampa, Florida
Arizona Wranglers
versus
Philadelphia Stars

BASEBALL

Daytona Beach Astros

Up coming home games.

July 11	Minnesota
July 21	Tulsa
July 21	Jacksonville
July 21	Ten Men

Up coming home games.

July 13	Ft. Lauderdale
July 17	New York

For more information on these games contact the Daytona Beach Astros at 253-1500.

UNCLE WALDO'S

SALOON • BILLARDS
"DAYTONA'S FINEST BILLARD LOUNGE"

BEER • WINE • PIZZA
Regulation Tables-Snooker-Coin Tables
Electronic games-Football

FREE POOL

One hour with this ad and E-RAU ID.
from 11AM to 7PM
Offer expires September 30, 1984

1/2 price pool for 2 couples on same table
OPEN 7 DAYS 11AM TO 3AM
122 Volusia Avenue 252-3699

STUDENT SPECIAL 5 WEEKS FOR \$25 That's \$5 Per Week For Good Health!

ULTIMATE
FITNESS
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Less Than 10 Minutes From E-RAU

- CO-ED
- Open 6 Days
- Free Weights
- Machines
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- Always Welcome
- One of the Areas
- Finest Gym/Fitness Centers
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TAKE ADVANTAGE OF OUR
STUDENT SPECIAL
AREN'T YOU WORTH IT?
CLIP THIS COUPON
For Free Trial Workout
There is No Price
For Good Health!

ULTIMATE FITNESS CENTER

2550 South Nova Road, South Daytona
788-0100

Vet's Club enjoys overnight canoe trip

By Michael P. Geletka

Believe it or not the Vets Club survived the canoe trip without incident, except for a couple of tipped-over canoes (that's supposed to happen). Everyone had a marvelous time. The club experienced a little of everything mother nature had to offer. Alligators, snakes, wasps, hornets, turtles and even a little rain. The trip set Vets Club

history by being the first overnight canoe extravaganza ever. The trip assured the club status as being the most dynamic club on campus. The club wishes to thank all who came and had a good time. Also, thanks to Dave Sava (he's our President) for the timely and well organized coordination of events for the weekend. Special thanks to Jim and Dave for the help in getting the tents

and bags P.A.E.B.

A further update on some other events are the latest party the club had which consisted of an all-afternoon softball marathon which resulted in a few accidents: a bloody lip for Kevin Boylan and a very sore shoulder and leg for Melvin Cycher. Their status is stable and hope to get Mel & Kevin back in action soon. Their accidents took place

at the Easter Seals softball benefit.

Speaking of softball, the Vets club ended up in a well deserved third place in the intramural league thanks to the fine coaching of Debbie. The club showed great offense and superb defense in combating some of the finest softball clubs on campus. Congratulations to the winners and we assure you the Vets Club

will be back in full force Summer B.

Let's not forget the softball party the club had a couple Sunday's ago when we played all afternoon. Then to the party on Charles St. for some late afternoon horse shoe game where we're still not sure who the club shoe champ really is. I guess we'll have to wait till the next outing. During this party the club engaged in an egg throwing contest. We were all quite surprised at the amount of talent the club had for this endeavor. We had to move the throw out to the street and I mean to tell you the eggs were flying a considerable distance and falling softly in to some anxiously awaiting hands and faces. The Vets club therefore challenges any club or organization to an official egg throw. Any one dare to attempt victory can contact the club through the mail box in the student activities office.

The fourth of July is over now and the club once again showed leadership and responsibility by operating the Ice Trucks under very strict Presidential security and also by working together as a team in order to operate the food concession. The Board of Directors wishes to thank all who worked and remind you to keep in touch for the next Vets club event.

Last but not least, the club wishes to congratulate Jeff and Trudy Young for tying the knot. Animal and Tweddy were wed in Orlando on July 30. The club wishes to extend good-luck to both of you.

Ideas for furnishing your rented home

By Trudi Tiffany Fuller

Furniture is obviously an important part of your day-to-day life. Listed below are some points to keep in mind when you consider renting.

1. Renting a furnished unit will save you much of the time and expense involved in moving. It also means you are not "tied down" with bulky items when you leave school. A furnished unit will cost more than a similar unit unfurnished. You also must accept what is in the unit and the landlord's taste in furniture style and color may not coincide with your own preferences.

Remember you are financially

responsible for damage to furniture owned by the landlord.

2. If you have a few pieces of your own furniture, you may wish to rent a furnished unit and make arrangements with the landlord to remove or store his/her unneeded items. Make sure your rent is adjusted so that you pay only for the furniture you use.

3. If you decide not to rent a furnished unit, several alternatives are open to you.

A. Renting. There are several companies that rent furniture in this area. The Off-Campus Housing Office has a list of these,

some quote prices. You can choose the style, color and price range that fits you. The cost is moderate, usually no more than the difference between renting a unit furnished vs. unfurnished. In some cases you have the option to buy the furniture applying all or part of the rental cost towards the purchase price.

B. The second hand store and yard sale scavenger hunt. If you decide you want to purchase a few items but can't afford new furniture or simply prefer old, you can find good bargains at yard sales. Checking classified sections of neighborhood newspapers is a good way to locate items for sale outside the

area. If you look under "used furniture" in yellow pages of the phone book, you'll find stores that sell second-hand furniture. Some of the larger department and furniture stores also have warehouse outlet stores where floor models for demonstration furniture and appliances are sold.

C. Making your own. If you have the time, a little skill and lots of imagination, making your own can be rewarding and therapeutic. You might also want to investigate pre-made unfinished furniture.

D. Small second hand items. Check the yellow pages of the phone book under "Second Hand Stores."

projects in Room W-306.

Friday, July 20:

10 a.m.-5 p.m. IMPACT OF FLORIDA will sell Laser Prints and the pro-space petition will be in the U.C. SPACE COAST MODEL ROCKET CLUB will have a display in the U.C.

6:30 p.m. SPACE COAST MODEL ROCKET CLUB will hold a model rocket exhibition on see SPACEWEEK

page 8

Thursday, July 19:

10 a.m.-5 p.m. IMPACT OF FLORIDA, INC. will hold a sale of Laser Prints in the U.C. at E-RAU. Laser Prints are photographs developed with laser technology, which gives them outstanding clarity. Many of the prints feature the Space Shuttle. The L-5 Aerospace Society will have a pro-space petition available for signature in the University Center.

7 p.m. Mr. Steve Dutczak will give a lecture on NASA future

SPACEWEEK

(continued from page 1) supporters whose activities transcend involvement in the space program in Daytona Beach.

The following events are scheduled. All are open to the public. Most are free:

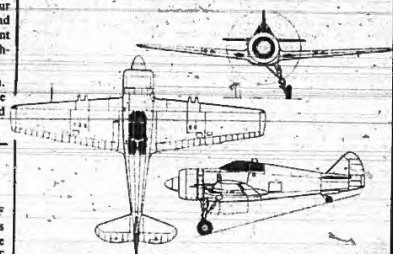
Wednesday, July 18:

7 p.m. Science fiction author Joe Haldeman will speak at E-RAU in Room W-306 and will be available to autograph books.

8 - 12 p.m. A NASA film

festival is scheduled in W-306. Films will include: STS-8 MISSION REPORT - the mission report of the first night launch of the Space Shuttle. APOLLO 14: MISSION TO FRA MAURO describes the major manned space flight accomplishments of the Apollo missions. FLYING MACHINES - a panorama of the history of flight and research in aircraft of the future. TECHNOLOGY IN ACTION - the benefits of the space program to everyday life are demonstrated.

Aero-plane Identification



THE FIRST EXACT ANSWER presented to the AVION of the identity of this aircraft will win a free one trimester subscription to the AVION, sent anywhere they want. The Student Publications staff, previous winners, and their families are not eligible.



Fly at Central Florida Flight Center and win a David Clark headset

Check Out These Prices

CESSNA 152 (IFR & VFR)....\$ 30.00/HR.
CESSNA 152 AEROBAT.....\$ 30.00/HR.
CESSNA 172 (IFR & VFR)....\$ 40.00/HR.
CESSNA 172RG (IFR).....\$ 50.00/HR.
PIPER ARCHER.....\$ 48.00/HR.
PIPER LANCE (6 PLACE)....\$ 89.00/HR.
PIPER SEMINOLE (TWIN)....\$105.00/HR.
BELL 47 HELICOPTER (VFR)\$135.00/HR.
BELL 47 HELICOPTER (IFR)\$150.00/HR.
FAA WRITTEN TESTS.....\$ 10⁰⁰

Rent our Seminole with only 125 hours total time! 25 Multi, 2 M&M or 10 hours M&M.
FLIGHT INSTRUCTORS WANTED

Drawing August 16th at Louie's Pizza - Free keg of beer

*Inquire at CFFC - 258-1779
Open to flight instructors, rental pilots, and students.*

CENTRAL FLORIDA FLIGHT CENTER
1624 Bellvue Ave. Daytona Beach

inside the Sky Harbor complex

autos for sale

'74 VW BUG: Part, a/c, new main paint job. \$2200 firm. Call 761-3507.

'79 JEEP CJA RENEGADE: 4x4, 14 cyl., 3 spd., AM/FM cassette, stereo, carpet, spare tire mounted. Good shape! \$4200. Contact Bob, 258-0823.

'74 CHEVETTE MALIBU: Stereo, air cyl., 20 mpg, run good. \$299. Call Jose, 758-0602 or Bob 8107.

'77 BUICK CUSTOM: 14 cyl., a/c, AM/FM stereo, CB radio, good mechanical, one owner. Asking \$1999. Call Joyce, Ext. 1080.

'82 DATSUN KING-CAB Diesel: Factory a/c, sunroof, manual, cruise, and many extras! \$1100 & a/c. Contact: David, 788-7971.

cycles for sale

'75 SUZUKI GT550: Windrunner HI fairing, crash bars, backrest w/good rack. \$550. Call Tony 767-2479.

'81 YAMAHA SX500 SPECIAL: 14 Low miles, luggage rack, back rest, two helmets. \$495 or trade for car of same value. Call Jose, 758-0602 or Bob 8107.

'80 KDX 175 MOTO-X: Tail bike, low mileage, in excellent cond., \$300 obo. Call 253-4473 after 3 PM.

'83 KAWASAKI GPZ550, 4500 miles, chrome headlight, factory custom cafe seat for two, good w/ helmet. \$2250. Call David, 788-7971.

'79 KAWASAKI SR500: Looks and runs well. New tires, shocks, crankshaft and bearings. Extra! K & M Filters, Kerker, permatex and polished head, sunroof, jewel carb. Bob, 788-0919 or Pine Lake 1661-8 from 6 PM. \$1100 obo.

'78 GS 750E: New coils and cables. New heavy-duty clutch. New back tire - front tire good. K & N bar w/ Rad grips. Needs new chain. Minor cosmetic damage. Call Harold, 761-3185 or Bob 8107.

YAMAHA 750 TWIN: Certified Honda mechanic owned, rebuilt and maintained. Tricks, extras (top-off oil filter, oil cooler, header, blue-printed rebuild job, etc. etc.). All top notch. Perfect condition, must be seen. Must sell 253-5776.

'73 CB 500: Rebuilt by factory trained Honda mechanic. Hooper, jetted. Many new items. Excellent condition. \$600, call Bill, 572-2134.

rooms for rent

ROOMMATE NEEDED for Summer! 4 Share 4 bdrm, 2 1/2 bath. HBQ, fully furnished, kitchen, central air conditioning, garage, a/c system. Rent only \$135/month! 1/2 utilities. 2 1/2 miles from campus. Stereo, a/c, ask for Sergio, Phil or Miguel or leave note, Bob 5507.

ROOM FOR RENT: \$133 + utilities. 2 beds from beach, in the Shores. Call Roy, 252-0358.

ROOMMATE NEEDED: 151 Sweetgum Ln. 3 bdrm, 3 1/2 bath, condo in Port Orange. Approx. 5 miles from campus. Amenities: Washer-dryer, fireplace, fully-furnished, microwave, wall-to-wall carpet, w/ stairs/down stairs, patio, pool, horse stables, small lake in back. Private rm - utilities both. Rent \$141/month! 1/2 utilities. Contact Jack or Mike, 761-7731.

ROOMS FOR RENT: Roommate needed to share 4 large house in Pine Lakes. Non-smoker, preferably Engineering student. House is furnished, hand furnished or not. Great location - 5 minutes from Middle. \$250/month! 1/2 utilities. Call 788-0281.

FREE RENT!! Call now!! 677-6650. (Sorry, no girls!)

ROOMMATE NEEDED for 2 bdrm, 2 1/2 bath apartment w/ fireplace. Located 2 1/2 miles from school. 1/2 rent! 1/2 utilities. Pool & Laundry facilities located at apartment complex. Nice neighbors, balcony of apartment looks out over the pool. Male, non-smoker only. Contact Mark, 788-0914 or Terrie in the Avionics Dept.

ROOMMATE NEEDED: Sutton Place, 100 room & bath. Furniture if needed. 1/2 rent! 1/2 utilities + sec. deposit. Jim, 258-2468.

TWO BEDROOMS AVAILABLE in a 3 bedroom apartment. a/c, cable, dishwasher. For Fall or possibly earlier. 258-7468.

FURNISHED HOUSE, 2 mail, bedrooms, a/c, wall-to-wall carpet, cable, garage, fenced yard. \$50/wk, most util. included. 252-6299 after 3:30.

miscellaneous

PRIVATE POOL! Only \$137.50/month! Live w/ other E-RAU students in a nice house in a nice neighborhood. They like it for live-in - your own private bedroom, central air, full kitchen, fireplace, 2 car garage and 1 carport, ping-pong table, 5 mini-fridge & everything else. Call 761-3185 or our own best!! (male/female) Call right now! 756-5711.

WATERBED (King Size): Heater, padding 9' x 5' sides, dark stained, good cond. \$200. Call 672-2955 (Even.) or Bob 7330.

FOLD-OUT BED: Single stand that folds out for either a double bed or two separate single beds. All metal construction in very good cond. Great space-saver! Asking \$40. Call 253-8284 or Bob 2125.

PIONEER SX-950 A-M-FM TUNER/AMP: Good cond., 85 W/ch, cos \$599 - will sell for \$199. Get a great stereo for the cost of a starter set. Call 673-3185, Ext. 193 or w/ days from 8-5. Call 439-3551 after 3 PM. Ask for Gary B.

FREE WEIGHT: 110 lb w/bar and bench, Best offer. Call Hassan, 767-5555.

BOYS FREE SPIRIT BICYCLE: Blue, 26" - impossible. Call 258-1701 or Bob 5005.

TWIN BED: Almost new, very good cond., only \$50. Call 253-1912 or Bob 5005. S. Miguel Vidal.

FOR SALE: Living room set, good cond., reasonable price. Contact Mara, 252-1365 or Bob 7371.

PUEBLO 12 SPEED: 8 months old, stored inside, frame has life-time warranty, all alloy parts, many extra's added on. Paid \$320 - big sell for \$220! Call 253-8284 or Bob 2125.

TWO SHARP 3-WAY STEREO SPEAKERS: Only \$75 and they both yours!! Call 756-3716.

personal

MY NEEDLE. How's everything? I hope you're enjoying your summer! (I wish I was able to enjoy it with you!) I want you to take your time with any B-day gift. Only for you would I be so patient and understanding. ANA BAB HIB-EX. XXXXXXXXXX.

APARTMENT SALE/GRADUATING! Weight set & bench press, great shape, everything in perfect working order, \$109. Diner set, 4 chairs, table - contemporary style, \$150. Pictures, odds/ends. Call Randy, 761-4304.

MARY KAY COSMETICS: Going out of business sale, all products at cost or below. Have glamour products, day resistance (Formula 1 & 2), scents, etc. Call Joyce, Ext. 1080.

I HAVE BOOKS you need and I have prices to please. Humanities, Aero Sci., Management and Math textbooks. Time is running out on this graduate! 756-3716.

PICKUP BED LINER: Fit Maxda and Ford Courier, \$175 obo. Full size bed, \$25. Table w/4 chairs, \$25. Toni or Bob, 761-6431.

AIRPLANE FOR SALE: C-450, 2 seats, VFR-IFR, Instrument - excellent shape, just performed an annual inspection on it. \$5,500. Call 255-9284 or Bob 6937.

A BRAND NEW DIGITAL MULTIMETER for Avionics students, has not been opened yet. Selling for \$115 in E-RAU Bookstore, \$95. Call 255-9284 after 7 p.m. or Bob 6937.

LOOKING FOR CHEAP FLIGHT TIME? I need a pilot with Commercial Instructor ratings to split cost of flying, about twice a week around the Florida county area for business purposes. You get PIC flight time at half the price. If interested, call Randy at 761-1304. Let's make a deal!

NIGHT LINE JOB at Ormond Beach Aviation. Pay \$50/month & board. Share w/ two roommates. Working hours, 4 PM - 7:30 AM every third night. Accepting applications for two weeks.

FLIGHT TRAINING and FAA WRITTEN TEST PREP. Tailored to your needs. Also, FAA written test - ALL TYPES. J & G, 673-0366.

miscellaneous

WHEN IT'S TYPING THAT MUST BE DONE NO NEED TO SPOIL YOUR FUN... CALL G.J.'S 758-3479 AND LEAVE THE TYPING TO US!!

simple oval. Both aircraft were parallel developments from Boeing's jet transport prototype the 367-80, which was known as "Dash 80". This prototype is now in the collection of the National Air and Space Museum.

The VC-137's have been in use since President Kennedy's term in office, but prior to that, there were several aircraft that were specifically assigned the duty of transporting the Commander-in-Chief. These aircraft were a Lockheed Super Constellation and Constellation used by Eisenhower, a Douglas DC-4 and DC-4 used by Truman and a Pan Am Boeing 314 used by Roosevelt. All of these aircraft have a colorful history, which is described in detail in the book "The Flying White House" written by the pilot of Air Force One during the Nixon years, Ralph Abernazi.

A few people take note that the presidential aircraft is called a VC-137 while the aerial refueling airplane used by the Air Force is a KC-135. There is confusion as to why there are two different designations for such similar airplanes.

The VC-137, as previously stated, is a Boeing model 707 while the KC-135 is a Boeing model 717. Although the configuration and basic wing box structure is the same, the 707 has a "slightly larger" fuselage, its cross-section appearing as a double-lobe while the 717 is a

Classified ad policy

• Classified ads are free to the student body.

• Ads will run for two issues.

• Deadline for classified ads is Thursday at 5:00 p.m. in the Avion office

• Only one classified ad per ad card.

• Classifieds can be renewed by filling out another card in the Avion office.

• No classifieds will be accepted over the phone.

• Commercial classified ads are available through the Avion Advertising Dept.

Dick, where's the stuff for me from AFCT/Edwards? Brian

U.C. Camp: Thanks for all your help and support during my unexpected "vacation". I'm glad that I have good friends like you! I should be back to work in a couple of weeks, thanks again. - Alice

notices

FAA TEST SCHEDULE

Embry-Riddle Aeronautical University will administer FAA Pilot Written Examinations on July 17 at 8:30 a.m. in the Common Purpose Room, U.C. There will also be exams given on July 21 in room G-109.

Students intending to take an FAA Pilot Written Examination are required to sign up in office D-200 or call extension 1307 prior to examination day.

At the time of the examination, each student must present a receipt for pilot exam fee, validated by the Cashier's Office; a Written Authorization Form signed by an appropriate Aeronautical Science Division Ground Instructor, or the failed results of a previous FAA Written Examination and present as personal identification an Airman Certificate, driver's license, or other official document.

Explanation of application forms and procedures will be given at 0830. Immediately thereafter, testing will commence and, unless prior arrangements have been made, late examinations will not be permitted to enter the examining area while testing is in progress.

STUDENTS GRADUATING FALL '84

Fall graduation applications are being accepted now and a student will be given a PRELIMINARY GRADUATION EVALUATION in order to help prepare for a smooth completion. Any necessary changes to a student's fall registration can be done during the add/drop period.

STUDENT PAYROLL CHANGES

The Student Employment Office was moved from the Administration Building to the University Center on June 28, 1984. The Student Employment Office is now located beside the Post Office on the outside of the University Center Building.

The primary reason for this move is to provide improved service by making the office more accessible to a greater number of students. The University Center provides an ideal location due to its great amount of student traffic and exposure.

Starting with the July 13, 1984 student payroll, all student employee paychecks will be distributed from the Student Employment Office. Students must present a valid student ID card to receive a paycheck.

The Student Employment Office provides information on both on and off-campus jobs and welcomes student visitors between the hours of 8:00 AM and 5:00 PM Monday - Friday.

The centralization of paycheck distribution is intended to relieve some of the difficulties of individual departments handling student checks.

Occasionally, checks were misdirected, necessitating some searching between departments to locate them. Also, in the event a check could not be found, bank restrictions require a 24 hour waiting period before another can be issued.

Lisa Gawnowski, now in charge of the Student Employment Office, hopes that a tighter reign on checks will reduce student problems in receiving them.

AIR FORCE ONE

(continued from page 1)

The first of the cockpit, is a communications center, the second, over the wing area, is the Presidential suite, and the third, in the tail section, is arranged with standard 707 seating to accommodate the President's staff and members of the press corps.

Powered by Pratt & Whitney JT3D-3 turbofans, the aircraft has a maximum speed of approximately 637 mph, a ceiling of 42,000 ft, and a maximum range of 7,000 miles.

The aircraft used for President Reagan's Daytona Beach visit was Air Force serial 62-6000 and was delivered in October of 1962. The second VC-137C was delivered in August of 1972 and the two are alternated in use to limit the hours on the airframes and to allow major rework to be done.

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Fill out opposite side, fold in thirds and drop in ON CAMPUS mail slot in U.C. lobby.

Avion

Name the Grill Contest

SGA

Fill out opposite side, fold in thirds and drop in ON CAMPUS mail slot in U.C. lobby.

Discovery launch date still in question

(continued from page 1) could begin as early as Thursday. Those with passes for the first two launch attempts will be admitted to their respective authorized viewing sites for the third attempt. However, accreditation will not be reissued, so it is important that badges and window parking permits not be lost.

The third orbiter in a production sequence, which currently totals four, Discovery was initially set to launch with its six-member crew on June 25. This launch date was pushed back to June 26 when a discrepancy between the four onboard computers and the backup computer, also located inside the orbiter, manifested itself during the built-in 10 minute hold at the T minus 9 minute point in the countdown. The second attempt to launch Discovery was halted at the T minus 4 second point in the countdown when the onboard computers, already switched to automatic, shutdown the igniting number three and number two

engines when a malfunction in the fuel metering system of engine number three was detected.

Mission commander Hank Hartsfield commented, "This is what we were told the computers would do in the event of an engine failure. Everything went just as we had practiced in simulation." Hartsfield did note some concern that the solid rocket boosters would ignite. However, and fortunately, they did not.

During the attempted launch, a fire on the pad was noted by launch controllers and attributed to the RTV on the body flap. The Room Temperature Vulcanizing (RTV) is thickly spread onto the body flap to help protect it from the impingement of hot gases during launch. The hydrogen-rich atmosphere surrounding the aft end of the shuttle was set afire by the ignition of the first two engines. The presence of the hydrogen is attributed to the partial opening of the main fuel gate valve which allowed fuel into the

chamber. The fuel, which ordinarily would have ignited the engine, caused the fire on the pad, a condition that was expected in a situation such as this, controllers said.

High-pressure water was subsequently sprayed onto the fire to extinguish it. Because of this, some concern was expressed regarding the integrity of the engine components. No damage

was found, but the decision was made to change out the errant engine for a close inspection of the parts that may have caused the failure. No damage to any of the payloads in the cargo bay was observed during the inspection several days after the June 26 launch abort.

Providing the decision to go with a launch this month is made, the payloads are considered to be perfectly safe in their vertical position on the pad at Launch Complex 39 A.

Currently, the Discovery crew is at the Johnson Space Center in Houston, TX. They will remain there until several days prior to the next launch attempt.

The members of the 41-D crew-in-waiting are, in addition to Commander Hartsfield, pilot Michael Coats, mission specialist Judy Resnik, Steve Hawley and Richard Mullane. McDonnell Douglas engineer Charles Walker will serve as a payload specialist on the mission. In a joint effort with Johnson & Johnson's Ortho division, Walker will do medical experiments involving a process called electrophoresis, a technique designed to separate blood constituents. The experimenters hope that the process can be conducted "anytime" anywhere as easily in the weightlessness of orbit than on earth, providing a

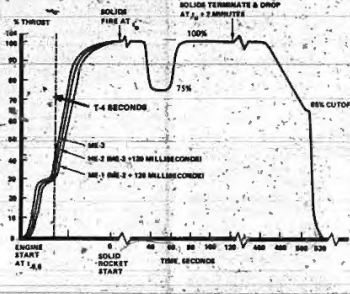
pure and more potent result. Because of the competitive nature of the pharmaceutical industry, the exact specifications of the experiments to be performed by Walker on board the space shuttle have not been disclosed.

Other projects to be completed during the seven-day mission are the deployment of the OAST-1 solar wing, a telescoping 102 foot structure with an energy-producing blanket of solar cells attached, and the deployment in orbit of the LEASAT (for LEASAT-GATellite) satellite. The LEASAT is the first satellite specifically designed to be launched from the space shuttle.

Discovery, the lightest of the reusable vehicles manufactured to date. The primary difference is the use of a quilt-like thermal protection material in place of the low temperature "white" tiles that covered the upper portion of the wings, the cold-fuselage and the Orbital Maneuvering System (OMS) pods on orbiters Challenger and Columbia. The use of this material has allowed engineers to trim the dry weight of the orbiter to about 150,000 pounds, about 1,000 pounds lighter than the Challenger spacecraft. Also, its onboard systems have been updated and are of more advanced construction than either of its predecessors.

SPACE SHUTTLE

MAIN ENGINE THRUST PROFILE



Source: Rockwell International, Rocketdyne Division

Main Engine cutoff during the ignition sequence of space shuttle mission 41-D (STS-14) occurred at the T-4 seconds mark in the countdown. The cutoff was signaled by the automatic onboard computers which sensed a malfunction in the number three fuel-metering system. The second Main Engine lead time is provided to allow them to achieve 100 percent thrust prior to Solid Rocket Booster ignition.

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Presidential finalists tour Daytona campus

(continued from page 1)

of the candidates boast impressive backgrounds. "At this stage, we have as much need to market ourselves to the candidates as they do to market themselves to us," said Dr. Jeffrey Ledwith, Acting University President and Daytona Beach Campus Provost.

Mr. John D. Odegard currently is the Director of the Center for Aerospace Sciences at the University of North Dakota. As the former chairman of the Department of Aviation at UND, the 42-year-old Minot, ND native designed three four-year cur-

riculums to develop managers for all segments of the aviation industry. Odegard was named the University Educator of the Year by the American Society for Aerospace Education in 1979.

In 1966, Odegard earned his Bachelor of Science in Business Administration and in 1967 he completed his Master of Science in Accounting requirements. Both degrees were received at the University of North Dakota in Grand Forks. Odegard has served as a Trustee of the University Aviation Association, Chairman of the North Dakota Aeronautics Commission and Chairman of the Grand Forks Chamber of Commerce Aviation Commission. He is a member of the Governor's Transportation Advisory Commission, the American Institute of Certified Public Accountants, the American Association of Airport Executives, the National Business Aircraft Association, the Aircraft Owner's and Pilot Association and the Soaring Society of America. Odegard is the recipient of the University of North Dakota's B.C. Gamble

Distinguished Service Award for Outstanding Teaching and in 1973 he received the William A. Wheatley Award for Outstanding Contributions to Aeronautical Education.

Odegard holds an Airline Transport Rating and is type rated in the Learjet and the Cessna Citation. He has over 9,000 hours of flight time. The flight department at the University of North Dakota, which he oversees, utilizes approximately 60 aircraft, including two Cessna Citations, a Cheyenne III and a fleet of Hughes 300 helicopters. They also have an extensive primary and advanced fixed wing training department which flies Cessna 152s, 172s, Mooneys and Beechcraft Dukes.

In addition, Odegard has co-authored a book entitled *Airport Planning and Management*.

Dr. William A. Orth is the other E-RAU Presidential finalist being considered. He visited the Daytona Beach campus on Wednesday, July 27. Orth is a retired Brigadier General and formerly the Dean of the Faculty at the United States Air Force

Academy in Colorado Springs, CO. Currently, he is the President of Trident Technical College in Charleston, SC.

Dr. Orth served a tour of duty in Vietnam from 1970 until 1971 and at Strategic Air Command headquarters from 1974 until 1976. A member of the American Institute of Aeronautics and Astronautics, Orth has a distinguished military background, which includes 3500 hours of flight time in many aircraft including the PA-18, T-4, T-28, T-33, F-86, T-37 and the T-38.

Dr. Orth is a graduate of the United States Military Academy at West Point, NY. He received his Masters of Science in Rocket Propulsion at Purdue University in 1961 and his PhD in Applied Math at Brown University in 1970. His dissertation is entitled *Linearized secondary flow between concentric cylinders with narrow annulus*.

Awarded the Distinguished Flying Cross and the Legion of Merit, Dr. Orth has published many technical documents.

Name the Grill Contest

**\$50
Cash Prize**

The name I suggest for the grill is:

Name

Box #

Address

Phone

Major

The new fast food grill/bar area in the University Center needs an appropriate new name. The Student Government Association is sponsoring a contest in hopes of attracting a student entry bearing the perfect name. The \$50. cash prize will be awarded Monday, July 23 in the U.C./Grill area. The winner need not be present.

Rules:

1. Entrants must be full or part-time Embury-Riddle students.
2. Students must be enrolled at the Daytona Beach campus.
3. Student status is determined by either Summer A or Summer B, 1984 enrollment only.
4. All entries must be submitted in the ON CAMPUS mail slot in the University Center lobby no later than Wednesday, July 18.
5. Entries must be filled out in their entirety.
6. Only one (1) contest name per entry is allowed.
7. Eligible students may submit as many entries as they wish.

SPACEWEEK

(continued from page 6)
the softball field at E-RAU.

Saturday, July 21:

9 a.m.-The L-5 AEROSPACE SOCIETY will sponsor a trip to Kennedy Space Center. The total

price for the trip will be \$7.00 and will include transportation, a bus tour of the Space Center, and a viewing of their new film, "Hail, Columbia." All reservations for this tour must be made by July 16.

For more information, or to make reservations for the tour of the Space Center, please contact the L-5 Aerospace Society at 252-5561, Ext. 1049.

DAYTONA BEACH AVIATION



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